We claim:

- 1. An ink formulation comprising:
 - 0.5 to 15% by weight of a pigment,
 - 0.5 to 30% by weight of polypropylene glycol, and
- 55 to 99% by weight of water, wherein the percentages are based on the overall weight of the ink formulation.
- 2. The ink formulation as claimed in claim 1, wherein the ink formulation comprises:
 - 1.5 to 7% by weight of the pigment,
 - 3 to 14% by weight of the polypropylene glycol, and
 - 60 to 95.5% by weight of the water.
- 3. The ink formulation as claimed in claim 1, wherein the ink formulation further comprises at least one additive.
- 4. The ink formulation as claimed in claim 3, wherein the additive is selected from the group consisting of co-solvents, bases, surfactants, deaerators and biocides.
- 5. The ink formulation as claimed in claim 1, wherein the polypropylene glycol has a molecular weight of greater than 250 to about 1000.
- 6. The ink formulation as claimed in claim 1, wherein the polypropylene glycol has a molecular weight of 425 to 1000.

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- 7. The ink formulation as claimed in claim 4, wherein the co-solvent is isopropyl alcohol or 2-pyrrolidinone.
- 8. The ink formulation as claimed in claim 1, wherein the formulation has a ratio of pigment to polypropylene glycol of at least 1: 1.
- 9. The ink formulation as claimed in claim 1, wherein the formulation has a minimum ratio of pigment to polypropylene glycol of about 1:1 to about 1:2.5.
- 10. An ink formulation comprising:

a pigment,

polypropylene glycol, and

water,

wherein the ink formulation has a minimum ratio of pigment to polypropylene glycol of about 1:1 to about 1:2.5.

- 11. The ink formulation as claimed in claim 10, wherein the ink formulation further comprises at least one additive.
- 12. The ink formulation as claimed in claim 11, wherein the additive is selected from the group consisting of co-solvents, bases, surfactants, deaerators and biocides.
- 13. The ink formulation as claimed in claim 12, wherein the co-solvent is isopropyl alcohol or 2-pyrrolidinone.

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- 14. The ink formulation as claimed in claim 10, wherein the polypropylene glycol has a molecular weight of greater than 250 to about 1000.
- 15. The ink formulation as claimed in claim 10, wherein the polypropylene glycol has a molecular weight of 425 to 1000.
- 16. The ink formulation as claimed in claim 10, wherein the minimum ratio of pigment to polypropylene glycol is about 1:2.
- 17. An ink formulation comprising:
 - 0.5 to 15% by weight of a pigment,
 - 0.5 to 30% by weight of polypropylene glycol, and
- 55 to 99% by weight of water, wherein the percentages are based on the overall weight of the ink formulation and wherein the ink formulation has a ratio of pigment to polypropylene glycol of at least 1:1.
- 18. The ink formulation as claimed in claim 17, wherein the ratio of pigment to polypropylene glycol is about 1:2.
- 19. The ink formulation comprising:
 - 1.5 to 7% by weight of a pigment,
 - 3 to 14% by weight of polypropylene glycol, and
- 60 to 95.5% by weight of water, wherein the percentages are based on the overall weight of the ink formulation.

- 20. The ink formulation as claimed in claim 19, wherein the ink formulation comprises:
 - 2.5 to 7% by weight of the pigment,
 - 4 to 14% by weight of the polypropylene glycol, and
 - 79 to 93.5% by weight of the water.